

What is claimed is:

1. A radiation detecting cassette comprising:

a solid state radiation detector for detecting radiation bearing image information and outputting an image signal
5 representing a radiation image;

a control means for controlling the operations of the solid state radiation detector;

a cassette main body having a case for housing the solid state radiation detector and the control means; and

10 a portable operating portion for outputting command signals to the control means for operating the solid state radiation detector, formed as a separate unit from the cassette main body.

2. A radiation detecting cassette as defined in claim
15 1, wherein:

the operating portion further comprises a display portion for displaying the contents of the command signals.

3. A radiation detecting cassette as defined in claim
2, wherein:

20 the operating portion further comprises an information receiving means for receiving information output from the cassette main body; and

the display portion displays the information received by the information receiving means.

25 4. A radiation detecting cassette as defined in claim 3, wherein:

the information receiving means receives information representing an operating state of the solid state radiation detector; and

the display portion displays the operating state of the
5 solid state radiation detector.

5. A radiation detecting cassette as defined in claim 3, wherein:

the information receiving means receives the image signal output from the solid state radiation detector; and

10 the display portion displays an image based on the image signal.

6. A radiation detecting cassette as defined in claim 4, wherein:

the information receiving means receives the image signal
15 output from the solid state radiation detector; and

the display portion displays an image based on the image signal.

7. A radiation detecting cassette as defined in claim 1, wherein:

20 the operating portion is removably attachable to the case.

8. A radiation detecting cassette as defined in claim 2, wherein:

the operating portion is removably attachable to the
25 case.

9. A radiation detecting cassette as defined in claim

3, wherein:

the operating portion is removably attachable to the case.

10. A radiation detecting cassette as defined in claim

5 4, wherein:

the operating portion is removably attachable to the case.

11. A radiation detecting cassette as defined in claim

5, wherein:

10 the operating portion is removably attachable to the case.

12. A radiation detecting cassette as defined in claim

6, wherein:

15 the operating portion is removably attachable to the case.